

Application No. 09/560,046
Attorney's Docket No. 028870-224

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS

Claims 1-16 (Canceled)

Claim ¹~~17~~. (Currently amended) A wound or burn dressing comprising a bandage, a topical antibiotic and non-linked particles of bioactive glass wherein the bandage is cotton, gauze, fiberglass, or synthetic material and The dressing of claim 16 wherein the fiberglass is made from bioactive glass.

Claim ²~~18~~. (Previously presented) A wound or burn treatment applicator apparatus comprising a topical carrier in a first chamber, non-linked particles of bioactive glass in a second chamber and a mixing means for mixing the topical carrier and the bioactive glass.

Claim ³~~19~~. (Original) The apparatus of claim ²~~18~~, wherein the wound or burn treatment apparatus is a multi chamber syringe.

Claim 20. Canceled

Claim ⁴~~21~~. (Original) A method for improving the appearance of the scar formed during the healing of wounds or burns comprising contacting a wound or burn with an effective scar appearance improving amount of a non-linked, particulate bioactive glass.

Claim ⁵~~22~~. (Original) The method of claim ⁴~~21~~ wherein the bioactive glass is present in a composition comprising the bioactive glass in the form of non-linked, small particles of bioactive glass and a suitable carrier.

Application No. 09/560,046
Attorney's Docket No. 028870-224

Claim 23. Canceled.

Claim 24. Canceled.

6

Claim ~~25~~ (Currently amended) A method of reducing the level of inflammation in a wound by contacting the wound with an effective inflammation reducing amount of a bioactive glass. The method of claim 24 wherein the inflammation is chronic inflammation.

Claim 26. Canceled.

7

Claim ~~27~~ (Currently amended) A method of reducing the level of bacterial infection in a wound comprising contacting the wound with an effective antibacterial amount of a bioactive glass. The method of claim 26, wherein the bioactive glass has a composition by weight percentage:

<u>Component</u>	<u>Percent</u>
SiO ₂	40-86
CaO	10-46
Na ₂ O	0-35
P ₂ O ₅	2-8
CaF ₂	0-25
B ₂ O ₃	0-10
K ₂ O	0-8
MgO	0-5.

Application No. 09/560,046
Attorney's Docket No. 028870-224

⁸
Claim ~~28~~. (Currently amended) The method of claim ~~26~~ ⁷ ~~27~~, wherein the bioactive glass has a composition by weight percentage:

<u>Component</u>	<u>Percent</u>
SiO ₂	45
CaO	24.5
Na ₂ O	24.5
P ₂ O ₅	6.

⁹
[Claim 29. Canceled.]

⁹
Claim ~~30~~. (Currently amended) A method of reducing the level of bacterial infection in a wound comprising contacting the wound with an effective antibacterial amount of a bioactive glass. ~~The method of claim 26~~, wherein the bioactive glass has a particle size range less than about 20 microns as measured by SEM or laser light scattering techniques.

¹⁰ ⁹
Claim ~~31~~. (Currently amended) The method of claim ~~26~~ ³⁰, wherein the bioactive glass has a particle size range less than about 2 microns as measured by SEM or laser light scattering techniques.

[Claims 32-49. Canceled.]